

Amendments to the Claims

This listing of claims replaces all prior versions and listings of claims in the application.

Listing of Claims

1. (Currently Amended) A non-woven soft tissue implant comprising a porous biocompatible film having a plurality of cells, a thickness of less than about 0.015 inches, and a surface area ratio less than 1.5, wherein the biocompatible film comprises ~~[[one]]~~ two or more films of polymer or copolymer, the polymer or copolymer having biaxially oriented chains.
2. (Previously Presented) The non-woven soft tissue implant of claim 1, wherein the polymer or copolymer is a non-absorbable polymer or copolymer.
3. (Previously Presented) The non-woven soft tissue implant of claim 2, wherein the non-absorbable polymer or copolymer is selected from the group consisting of polypropylene, polyethylene terephthalate, polytetrafluoroethylene, polyaryletherketone, nylon, fluorinated ethylene propylene, polybutester, and silicone.
4. (Withdrawn – Previously Presented) The non-woven soft tissue implant of claim 1, wherein the polymer or copolymer comprises an absorbable polymer or copolymer.
5. (Withdrawn) The non-woven soft tissue implant of claim 4, wherein the absorbable polymer or copolymer comprises polyglycolic acid (PGA), polylactic acid (PLA), polycaprolactone, or polyhydroxyalkanoate.
6. (Withdrawn) The non-woven soft tissue implant of claim 1, wherein the porous biocompatible film comprises a biological material.

7. (Withdrawn) The non-woven soft tissue implant of claim 6, wherein the biological material is collagen.

8. (Previously Presented) The non-woven soft tissue implant of claim 1, wherein the implant has a surface area ratio of about 1.00.

9. (Previously Presented) The non-woven soft tissue implant of claim 1, wherein one or more of the cells in the plurality of cells has a diameter, measured along the longest axis of the cell, of about 10 μ to about 10,000 μ .

10. (Previously Presented) The non-woven soft tissue implant of claim 9, wherein one or more of the cells in the plurality of cells has a diameter, measured along the longest axis of the cell, of about 1,500 μ to about 5,000 μ .

11. (Previously Presented) The non-woven soft tissue implant of claim 9, wherein one or more of the cells in the plurality of cells has a diameter, measured along the longest axis of the cell, of about 50 μ to about 100 μ .

12. (Previously Presented) The non-woven soft tissue implant of claim 1, wherein one or more of the cells of the plurality has a shape selected from the group consisting of essentially square, essentially rectangular, and essentially diamond-shaped.

13. (Canceled)

14. (Canceled)

15. (Currently Amended) The non-woven soft tissue implant of claim 1, wherein the thickness of the porous biocompatible film is about 0.001 ~~[[-]]~~ inches to about 0.014 inches.
16. (Previously Presented) The non-woven soft tissue implant of claim 1, wherein the porous biocompatible film has atraumatic edges.
17. (Previously Presented) The non-woven soft tissue implant of claim 1, wherein the porous biocompatible film is at least about 2.5 cm long along a first side and no more than about 45.0 cm long along a second side.
18. (Previously Presented) The non-woven soft tissue implant of claim 1, wherein the implant is flexible along two axes.
19. (Previously Presented) The non-woven soft tissue implant of claim 18, wherein the plurality of cells comprises a cell pattern containing undulating elements comprising a sinusoidal element.
20. (Previously Presented) The non-woven soft tissue implant of claim 18, wherein each of the cells in the plurality of cells has a plurality of undulating elements in the form of a repeating pattern.
21. (Previously Presented) The non-woven soft tissue implant of claim 20, wherein the undulating elements are in phase.
22. (Previously Presented) The non-woven soft tissue implant of claim 1, wherein the cells in the plurality of cells have a diameter greater than 50 μ .
23. (Previously Presented) The non-woven soft tissue implant of claim 22, wherein the implant can be distended by 25% or more at 16 N/cm.

24. (Canceled)

25. (Previously Presented) The non-woven soft tissue implant of claim 1, wherein the plurality of cells are uniformly shaped.

26 – 84. (Canceled)

85. (Previously Presented) The non-woven soft tissue implant of claim 1, further comprising a tear resistant substrate.